

Figure 1

Minimal Inhibitory Concentrations (MIC, mM) of Benzimidazoles against Bacteria and Yeast

Compound	Gram+				Gram-		Yeast	
	SA1	EH2	SP4	SP6	EC2	VP8	KP1	PA2
7a	6-12	1-3	3-6	12-25	12-26	25-50	6-12	25-50
7b	3-6	1-3	3-6	6-12	6-12	12-25	6-12	25-50
7c	6-12	3-6	6-12	12-25	12-25	25-50	12-25	12-25
7d	12-25	6-12	6-12	25-50	50-100	NT	25-50	25-50
7e	6-12	3-6	6-12	25-50	100	NT	25-50	25-50
7f	6-12	1-3	3-6	12-25	12-25	25-50	12-25	25-50
7g	6-12	1-3	3-6	6-12	6-12	12-25	6-12	25-50
7h	6-12	1-3	6-12	12-35	50-100	50-100	12-25	12-25
7i	6-12	1-3	6-12	12-35	100	100	12-25	25-50
7j	3-6	1-3	6-12	6-12	25-50	>100	12-25	25-50
7k	3-6	3-6	3-6	6-12	12-25	25-50	12-25	12-25
7l	6-12	3-6	6-12	12-25	12-25	25-50	12-25	12-25
7m	6-12	3-6	6-12	12-25	12-25	25-50	12-25	12-25
7n	6-12	3-6	6-12	12-25	12-25	25-50	12-25	25-50
7o	6-12	3-6	6-12	12-25	12-25	25-50	12-25	25-50
7p	6-12	3-6	6-12	12-25	12-25	25-50	12-25	25-50
7q	6-12	3-6	6-12	25-50	100	50-100	25-50	12-25
7r	6-12	3-6	6-12	25-50	100	25-50	25-50	12-25
7s	6-12	3-6	6-12	25-50	100	25-50	25-50	12-25
7t	6-12	3-6	6-12	25-50	100	25-50	25-50	12-25
7u	6-12	3-6	6-12	12-25	25-50	25-50	12-25	25-50
7v	6-12	3-6	12-25	6-12	6-12	25-50	25-50	12-25
7w	3-7	0.75-1.5	25-50	6-12	12-26	25-50	25-50	6-12
10b	6-12	1-3	3-6	6-12	12-25	NT	6-12	12-25
10c	6-12	1-3	3-6	6-12	12-25	NT	6-12	12-25
12	3-6	1-3	3-6	6-12	6-12	NT	6-12	12-25

*SA1: *S. aureus* 13709; EH2: *E. hirae* 29212; SP4: *S. pyogenes* 49399; SP6: *S. pneumoniae* 6303; EC2: *E. coli* 25922; VP8: *P. vulgaris* 8427; KP1: *K. pneumoniae* 13383; PA2: *P. aeruginosa* 25416; CA1: *C. albicans* 10231; NT: Not tested.

Figure 2

Minimal Inhibitory Concentrations (MIC, mM) of Benzimidazoles against *Enterococcus*

Compound	E.FAECALIS ATCC_11823	E.FAECALIS _ATCC_232_41	E.FAECALIS _ATCC_420_0	E.FAECALIS ATCC_49757	E.FAECALIS _ATCC_828_9	E.FAECUM _ATCC_656_9	E.FAECUM ATCC_882	E.HIRAE ATCC_292_12
7a	3-6	6-12	6-12	6-12	6-12	3-6	6-12	1-3
7b	3-6	3-6	3-6	3-6	3-6	3-6	3-6	1-3
7c	6-12	12-25	12-25	12-25	12-25	6-12	12-25	3-6
7d	12-25	25-50	25-50	12-25	12-25	12-25	25-50	6-12
7e	12-25	12-25	12-25	12-25	12-25	12-25	12-25	3-6
7f	6-12	NT	25-50	50-100	50-100	12-25	NT	1-3
7k	NT	NT	NT	25-50	NT	50-100	NT	1-3
7m	12-25	12-25	12-25	12-25	12-25	12-25	12-25	3-6
7p	6-12	12-25	12-25	12-25	6-12	6-12	12-25	3-6
7r	12-25	6-12	12-25	12-25	6-12	6-12	6-12	3-6
7s	12-25	12-25	12-25	6-12	12-25	6-12	12-25	3-6
7t	12-25	12-25	12-25	12-25	12-25	6-12	12-25	3-6
7u	12-25	12-26	12-25	12-26	12-26	6-12	12-25	3-6
7x	3-6	6-12	6-12	6-12	6-12	3-6	6-12	3-6
10b	3-6	6-12	6-12	6-12	6-12	3-6	6-12	0.7-1.5
10c	3-6	3-6	6-12	3-6	6-12	3-6	3-6	1-3
12	6-12	6-12	6-12	6-12	3-6	3-6	6-12	1-3

NT: Not tested.

Figure 3

Minimal Inhibitory Concentrations (MIC) of Selected Benzimidazoles against Bacteria and Yeast^a

Compound	Gram +				Gram -				Yeast	
	SA1	EH2	SP4	SP6	EC2	PV8	KP1	PA2	CA1	
14a	6-12	25-50	25-50	12-25	25-50	25-50	25-50	50-100	12-25	12-25
14b	6-12	25-50	25-50	6-12	>100	>100	50-100	>100	>100	>100
19f	6-12	3-6	6-12	12-25	12-25	12-25	12-25	25-50	25-50	25-50
17g	6-12	3-6	6-12	12-25	12-25	25-50	6-12	25-50	12-25	12-25
17h	6-12	1-3	6-12	12-25	25-50	>100	12-25	>100	>100	>100
18j	3-6	3-6	6-12	12-25	>100	50-100	6-12	50-100	>100	>100
18m	6-12	1-3	6-12	12-25	>100	25-50	25-50	50-100	25-50	25-50

^aSA1: *S. aureus* 13709; EH2: *E. hirae* 29212; SP4: *S. pyogenes* 49399; SP6: *S. pneumoniae* 6303; EC2: *E. coli* 25922; PV8: *P. vulgaris* 8427; KP1: *K. pneumoniae* 13383; PA2: *P. aeruginosa* 25416; CA1: *C. albicans* 10231.